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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xu et al.

App. No.: 10/784,911 GPAU: 1713

Filing Date: February 23, 2004 Examiner: Satya B, Sastri

Dkt. No.: PA115-57-03 Conf. No.: 6149

For: MATERIALS FOR IMPRINT LITHOGRAPHY

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- Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
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to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

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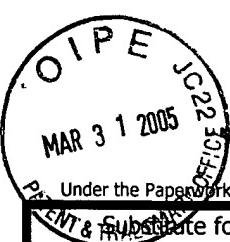
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Respectfully Submitted,



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PTO/SB/08A (08-03)

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<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;"><i>(use as many sheets as necessary)</i></p> <p>Sheet 1 of 5</p>				<i>Complete if Known</i>	
				APPLICATION NUMBER	10/784,911
				FILING DATE	02/23/2004
				FIRST NAMED INVENTOR	Xu et al.
				Group Art Unit	1713
				Examiner Name	Sastri, Satya B.
				Attorney Docket Number	PA115-57-03

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

	C1	6,391,217	B2	Schaffer et al.	5/21/2002	
	C2	2004/0007799	A1	Choi et al.	1/15/2004	
	C3	2004/0021254	A1	Sreenivasan et al.	2/5/2004	
	C4	2004/0021866	A1	Watts et al.	2/5/2004	
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	C13	2004/0137734	A1	Chou et al.	7/15/2004	
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	C17	2003/0080472	A1	Chou	5/1/2003	
	C18	2003/0034329	A1	Chou	2/20/2003	

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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p> <p>Sheet 2 of 5</p>				<p><i>Complete if Known</i></p> <table border="1"> <tr> <td>APPLICATION NUMBER</td> <td>10/784,911</td> </tr> <tr> <td>FILING DATE</td> <td>02/23/2004</td> </tr> <tr> <td>FIRST NAMED INVENTOR</td> <td>Xu et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>1713</td> </tr> <tr> <td>Examiner Name</td> <td>Sastri, Satya B.</td> </tr> <tr> <td>Attorney Docket Number</td> <td>PA115-57-03</td> </tr> </table>		APPLICATION NUMBER	10/784,911	FILING DATE	02/23/2004	FIRST NAMED INVENTOR	Xu et al.	Group Art Unit	1713	Examiner Name	Sastri, Satya B.	Attorney Docket Number	PA115-57-03
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	C19	2002/0042027	A1	Chou et al.	4/11/2002	
	C20	10/763,885		Xu et al.	1/23/2004	
	C21	5,594,042		Glover et al.	1/14/1997	
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	C28	4,512,848		Deckman et al.	4/23/1985	
	C29	6,517,995	B1	Jacobenson et al.	2/11/2003	
	C30	2004/0110856	A1	Young et al.	6/10/2004	
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	C32	5,028,366		Harakal et al.	7/2/1991	
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	C34	5,849,209		Kindt-Larsen et al.	12/15/1998	
	C35	5,849,222		Jen et al.	12/15/1998	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				APPLICATION NUMBER 10/784,911 FILING DATE 02/23/2004 FIRST NAMED INVENTOR Xu et al. Group Art Unit 1713 Examiner Name Sastri, Satya B. Attorney Docket Number PA115-57-03	
Sheet	3	of	5		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C42	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000		
	C43	Papirer et al., The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography, Journal of Colloid and Interface Science 159, pp.238-242, 8/1/1993		
	C44	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technolgy B 14(16), pp. 4129-4133, 11/1/1996		
	C45	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001		
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	C48	Compon et al., Electroanalysis at Diamond-Like and Doped-Diamond Electrodes, Electroanalysis 15(17); pp. 1349-1363, 9/1/2003		
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Sheet		5	of	5	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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C51	Hakovirta et al., Heat Resistance of Fluorinated Diamond-Like Carbon Films, Diamond and Related Materials 10(8); pp. 1486-1490, 8/1/2001	
C52	Zhu et al., The Improvement of the Oxidation Resistance of TiAl Alloys by Fluorine Plasma-Based Ion Implantation, Surface and Coatings Technology 158; pp. 502-507, 9/1/2002	
C53	Yao et al., Structural, Mechanical and Hydrophobic Properties of Fluorine-Doped Diamond-Like Carbon Films Synthesized by Plasma Immersion Ion Implantation and Deposition (PIII-D), Applied Surface Science 230; pp. 172-178, 4/17/2004	
C54	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
C55	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
C56	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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